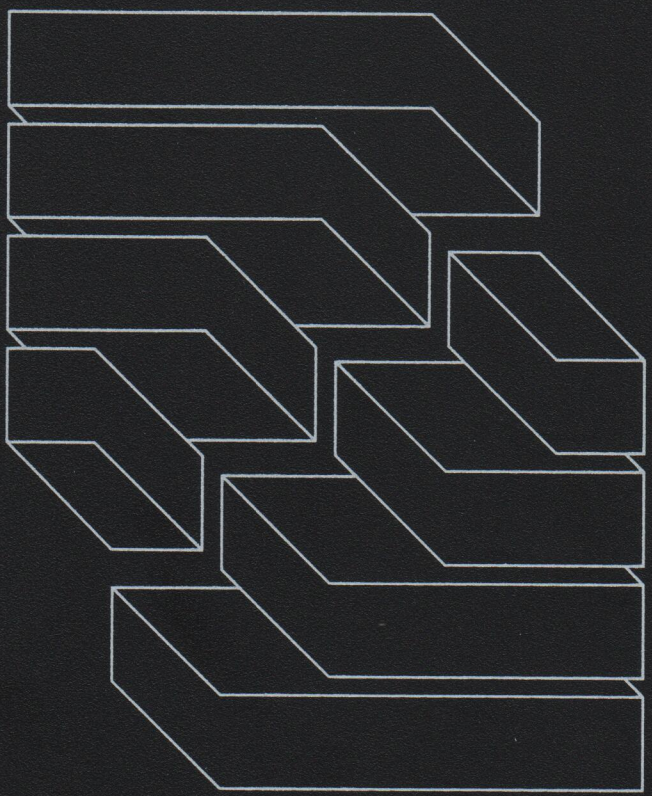
PARTS BREAKDOWN



PARTS BREAKDOWN

Parts Breakdown

This section contains illustrations, part numbers, and descriptions of Sun Systems, Options, Boards, Input Devices, Monitors, and Printers.

Options such as processor modules, SIMMs, and SBus cards are not included in the System chapter. Internal system peripheral options are not included in the Disk, Removable Media, or Miscellaneous chapters.

Parts listed as (obsolete) or (obs) are no longer used to build new systems. Obsolete parts may be replaced with newer part numbers and may not be available.

This manual provides a list of part numbers used to assemble the system or option. Many of the part numbers listed are not normally available as spare parts or as field replaceable service spares, also referred to as Field Replaceable Units, or FRUs.

Spare parts available for purchase are listed in the *SunSpares Price List*. A list of valid FRU part numbers and part substitutions is available to Sun service and support personnel from Enterprise Services logistics.

Abbreviations

Assy	Assembly
Bkt	Bracket
FRU	Field Replaceable Unit
NS	Not shown
OBP	Open Boot PROM
Obs	Obsolete
OS	Operating System
w	With
w/o	Without
•	Indicates the part is used in an assembly

Option Abbreviations

SSA	SPARCstorage Array
A1000	StorEdge A1000
D1000	StorEdge D1000
A3000	StorEdge A3000 (RSM Array 2000)
A3500	StorEdge A3500
A5000	Enterprise Network Array A5000
A5000	StorEdge A5000
A7000	StorEdge A7000

System Abbreviations

SC	SPARCcenter
SS	SPARCserver, SPARCstation, or SPARCsystem
A11	Ultra 1 Models 140 and 170
A12	Ultra 1 Models 140E, 170E, and 200E
A14	Ultra 2
A16	Ultra 30
A17	Ultra Enterprise 3000 Workstation
A18	Ultra Enterprise 4000 Workstation
A20	Ultra 450 Workstation
A21	Ultra 5
A22	Ultra 10
A23	Ultra 60
A25	Ultra Enterprise 450 Server
A26	Enterprise 250
E150	Ultra Enterprise 150
Ex000	Ultra Enterprise 3000/4000/5000/6000
Ex500	Enterprise 3500/4500/5500/6500

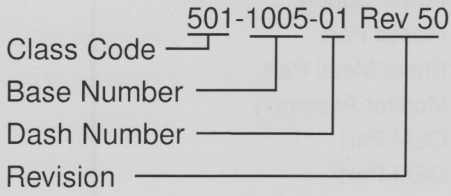
Class Codes

The first three digits of a Sun part number are the class code. Representative class codes are listed below.

CLASS CODE	DESCRIPTION
270-xxxx-xx	PCB Fabrication
300-xxxx-xx	Power Supply
330-xxxx-xx	Plastic Part
340-xxxx-xx	Sheet Metal Part
365-xxxx-xx	Monitor Assembly
370-xxxx-xx	OEM Part
375-xxxx-xx	OEM Part
500-xxxx-xx	Untested PCB
501-xxxx-xx	Tested PCB
520-xxxx-xx	Programmed IC
525-xxxx-xx	Programmed IC
530-xxxx-xx	Cable
540-xxxx-xx	Assembly
555-xxxx-xx	FRU Assembly
560-xxxx-xx	Shipping Kit
570-xxxx-xx	Electro Mechanical Assembly
595-xxxx-xx	Top Level Option Assembly
596-xxxx-xx	Configured Option Assembly
600-xxxx-xx	Top Level System Assembly
700-xxxx-xx	Software Tape
704-xxxx-xx	Software CD-ROM
790-xxxx-xx	Software Tape and Manual
794-xxxx-xx	Software CD-ROM and Manual
800-xxxx-xx	Sun Manual
801-xxxx-xx	Sun Manual
802-xxxx-xx	Sun Manual
804-xxxx-xx	CD-ROM Insert
805-xxxx-xx	Sun Manual
807-xxxx-xx	FCO Kit
813-xxxx-xx	Configuration Manual
825-xxxx-xx	Manual Set
855-xxxx-xx	Manual Set
950-xxxx-xx	Engineering Specification

Part Numbers

Sun part numbers consist of nine numerical digits separated with dashes (-) into three components; Class Code, Base Number, and Dash Number. A revision number or letter is used with each part number.



Class Codes identify similar parts.

Base Numbers are assigned sequentially. A higher base number does not necessarily indicate a new or improved part.

Higher/Lower Base Number Examples

PART#	DESCRIPTION	RELEASE DATE
300-1281	SC2000 Power Supply	3/28/95
300-1286	SC2000 Power Supply	9/19/94
501-2925	SM71 SuperSPARC 2.4.5	9/28/95
501-2940	SM71 SuperSPARC 2.3	6/05/95
501-3001	SM71 SuperSPARC 2.4.3	8/14/95
501-2324	SS20 CPU	1/10/94
501-2924	SS20 CPU	9/14/95
501-2961	SS20 CPU *	7/12/95

* 501-2961 is a screened and re-labeled 501-2324

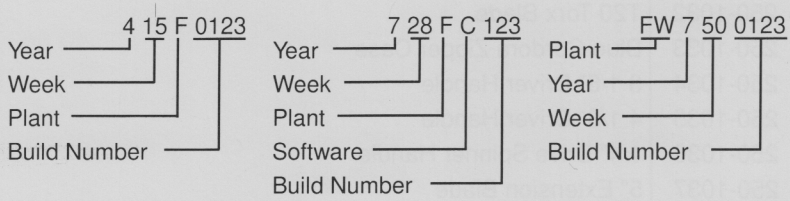
Dash Numbers are used to identify changes made to the part that effect form, fit, or function.

Revisions are used to identify changes made to the part that do not effect form, fit, or function.

System Serial Number

The serial number contains four or five fields of information: *

Year - year of manufacturer
Week - week of manufacturer
Plant - manufacturing location
Software - Begining in July 1997, systems manufactured with Shop Floor Execution use C up to fff units/week and D if more than fff units/week are built. The Shop Floor System did not use this field.
Build number - alphanumeric or hexadecimal build number



* The serial numbers for E10000s built in Beaverton are from 65000 to 65fff. The year, week, and plant fields are not used.

PLANT	LOCATION
C	Mountain View Building 4, California
F	Milpitas Building 4, California
G	Westford, Massachusetts
H	Singapore (Sun-3 Shoebox)
J	Melbourne, Florida (StorEdge A7000)
K	Milpitas Building 5, California
L	Milpitas Building 7, California (Specials Engineering)
M	Linlithgow, Scotland
N	Japan
P	Billerica, Massachusetts
R	Japan (used by Fuji Xerox)
T	Milpitas, California (Re-Manufacturing)
EH	Texas Instruments (SBus Expansion Subsystem)
FW	Freemont, California (Ultra 5 and Ultra 10)
HW	Hsinchu, Taiwan (Ultra 5 and Ultra 10)
TW	Telford, England (Ultra 5 and Ultra 10)
None	Beaverton, Oregon

Recommended Tools

Tools

PART #	DESCRIPTION
250-1028	Field Engineer Toolkit (Jensen JTK-679-1)
250-1024	T9 Torx Screwdriver
250-1025	T7 Torx Screwdriver
250-1026	T25 Torx Blade
250-1027	#2 Pozidrive Blade
250-1029	3/32" Hexdriver Blade
250-1030	7/64" Hexdriver Blade
250-1031	14 mm Deep Socket
250-1032	T20 Torx Blade
250-1033	Blue Cordora Zipper Case
250-1034	3 1/8" Driver Handle
250-1035	4 1/8" Driver Handle
250-1036	1/4" Drive Spinner Handle
250-1037	5" Extension Blade
250-1038	#1 Phillips Blade
250-1039	#2 Phillips Blade
250-1040	1/4" Slotted Blade
250-1041	3/16" Slotted Blade
250-1042	Alignment Tool
250-1043	Alignment Tool
250-1044	4 1/2" Miniature Diagonal Cutter
250-1045	5.25" Diagonal Cutting Pliers
250-1046	6.5" Thin Needlenose Pliers
250-1047	4" Adjustable Wrench
250-1048	6" Adjustable Wrench
250-1049	Crimping Tool/Wire Stripper
250-1050	Fluke 75 Digital Multimeter
250-1051	1.27 mm Hexdriver Blade
250-1052	1.5 mm Hexdriver Blade
250-1053	2 mm Hexdriver Blade
250-1054	2.5 mm Hexdriver Blade
250-1055	3 mm Hexdriver Blade
250-1056	4 mm Hexdriver Blade
250-1057	5 mm Hexdriver Blade

Recommended Tools

Tools - Continued

PART #	DESCRIPTION
250-1058	4 mm Nutdriver Blade
250-1059	4.5 mm Nutdriver Blade
250-1060	5 mm Nutdriver Blade
250-1061	5.5 mm Nutdriver Blade
250-1062	6 mm Nutdriver Blade
250-1063	7 mm Nutdriver Blade
250-1064	8 mm Nutdriver Blade
250-1065	9 mm Nutdriver Blade
250-1066	10 mm Nutdriver Blade
250-1067	11 mm Nutdriver Blade
250-1068	T15 Torx Blade

Power Screwdriver Kit

PART #	DESCRIPTION
250-1075	Cordless Power Screwdriver Kit (Jensen JTK-864)
250-1076	• Two Speed Power Screwdriver
250-1077	• Screwdriver Carrying Case
250-1078	• Screwdriver Battery Charger, 115V
250-1079	• Screwdriver Battery
250-1084	• Power Screwdriver Xcelite Adapter

Vacuum Cleaner Kit

PART #	DESCRIPTION
250-1080	Vacuum Cleaner Kit (Jensen JTK-863)
250-1081	• Vacuum Cleaner, 115V
250-1082	• Vacuum Cleaner Filters (qty 6)
250-1083	• Vacuum Cleaner Carrying Bag

Recommended Tools

Miscellaneous Tools

PART #	DESCRIPTION
240-1433	2 mm Hex Key
240-1716	AMP SIMM Extraction Tool (obsolete)
240-1718	EPROM Insertion Tool
240-1719	IC Extraction Tool
240-1822	Modified AMP SIMM Extraction Tool (obs)
240-1904	1/2" Open-End Wrench
250-1007	Disposable ESD Wrist Strap
250-1011	Slotted & 2 mm Hex Screwdriver
250-1072	1/2" x 1/2" Thin-Head Wrench for 56" Rack Levelers
250-1074	10-Inch End Cutter
250-1088	Sun ESD Mat with Sun Logo
330-1145	Disposable ESD Mat
330-1646	SS10 and SS20 SIMM Insertion Tool (order 560-1936)
330-1836	SS20 Fan Installation Tool
330-1852	SS Voyager Power Supply Extraction Tool
345-1131	SIMM Extraction Wire Tool (obsolete)
345-1132	SIMM Extraction Wire Tool (obsolete)
None	T8 Torx Blade (Xcelite 99-8XTD)
None	T10 Torx Blade (Xcelite 99-10XTD)
370-1906	90° L-Key T10 Torx
370-1907	90° L-Key T15 Torx
560-1763	SIMM Extraction Tool Kit
345-1184	• Machined SIMM Extraction Tool 345-1184-01 (obsolete)
345-1184	• Diecast SIMM Extraction Tool 345-1184-02
560-2317	Torque Wrench Kit
250-1240	• 3/32" Hex Bit x 2" Length
250-1239	• Adjustable Torque Wrench, 2-12 In/Lb, +/-3% accuracy
560-2324	Torque Wrench Kit, United Kingdom
250-1241	• 3/32" Hex Bit
250-1242	• Fixed 6 In/Lb Torque Wrench
560-2433	Torque Wrench Kit
230-1578	• Acid Brush
None	• 3/32" Hex Bit
250-1353	• Fixed 6 In/Lb Torque Wrench